

Song Jin

List of Publications by Year in descending order

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251
papers

39,021
citations

2669

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257
all docs

257
docs citations

257
times ranked

37805
citing authors

#	ARTICLE	IF	CITATIONS
1	Geometrically stabilized skyrmionic vortex in FeGe tetrahedral nanoparticles. <i>Nature Materials</i> , 2022, 21, 305-310.	13.3	11
2	Stacking and Twisting of Layered Materials Enabled by Screw Dislocations and Non-Euclidean Surfaces. <i>Accounts of Materials Research</i> , 2022, 3, 369-378.	5.9	13
3	Disentangling Magnetic and Grain Contrast in Polycrystalline $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll">\langle \text{mml:mi}>\text{Fe}</\text{mml:mi}>\langle \text{mml:mi}>\text{Ge}</\text{mml:mi}>\langle \text{mml:math}>$ Thin Films Using Four-Dimensional Lorentz Scanning Transmission Electron Microscopy. <i>Physical Review Applied</i> , 2022, 17, .	1.5	9
4	One-Pot Exosome Proteomics Enabled by a Photocleavable Surfactant. <i>Analytical Chemistry</i> , 2022, 94, 7164-7168.	3.2	9
5	Dynamic Tuning of Moiré Superlattice Morphology by Laser Modification. <i>ACS Nano</i> , 2022, 16, 8172-8180.	7.3	3
6	Dextrosil-Viologen: A Robust and Sustainable Anolyte for Aqueous Organic Redox Flow Batteries. <i>ACS Energy Letters</i> , 2022, 7, 2428-2434.	8.8	34
7	Plasma-induced oxygen vacancies in amorphous MnOx boost catalytic performance for electrochemical CO ₂ reduction. <i>Nano Energy</i> , 2021, 79, 105492.	8.2	78
8	Deterministic fabrication of arbitrary vertical heterostructures of two-dimensional Ruddlesden-Popper halide perovskites. <i>Nature Nanotechnology</i> , 2021, 16, 159-165.	15.6	90
9	Modular Electrochemical Synthesis Using a Redox Reservoir Paired with Independent Half-Reactions. <i>Joule</i> , 2021, 5, 149-165.	11.7	37
10	An efficient and stable solar flow battery enabled by a single-junction GaAs photoelectrode. <i>Nature Communications</i> , 2021, 12, 156.	5.8	22
11	Distinct Carrier Transport Properties Across Horizontally vs Vertically Oriented Heterostructures of 2D/3D Perovskites. <i>Journal of the American Chemical Society</i> , 2021, 143, 4969-4978.	6.6	52
12	Anion Exchange of Ruddlesden-Popper Lead Halide Perovskites Produces Stable Lateral Heterostructures. <i>Journal of the American Chemical Society</i> , 2021, 143, 5212-5221.	6.6	37
13	Stable Tetrasubstituted Quinone Redox Reservoir for Enhancing Decoupled Hydrogen and Oxygen Evolution. <i>ACS Energy Letters</i> , 2021, 6, 1533-1539.	8.8	19
14	Modifying redox properties and local bonding of Co ₃ O ₄ by CeO ₂ enhances oxygen evolution catalysis in acid. <i>Nature Communications</i> , 2021, 12, 3036.	5.8	262
15	Novel Strategies to Address the Challenges in Top-Down Proteomics. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1278-1294.	1.2	102
16	Life Cycle Assessment of Perovskite/Silicon Tandem Solar Cells Coupled with Solar Flow Battery Systems. , 2021, .		1
17	Fluorine-Decorated Graphene Nanoribbons for an Anticorrosive Polymer Electrolyte Membrane Fuel Cell. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26936-26947.	4.0	18
18	Structural O-Glycoform Heterogeneity of the SARS-CoV-2 Spike Protein Receptor-Binding Domain Revealed by Top-Down Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2021, 143, 12014-12024.	6.6	48

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19	Hierarchical Ni-Mo ₂ C/N-doped carbon Mott-Schottky array for water electrolysis. <i>Applied Catalysis B: Environmental</i> , 2021, 292, 120168.	10.8	60
20	Compositionally Tuned Trimetallic Thiospinel Catalysts for Enhanced Electrosynthesis of Hydrogen Peroxide and Built-In Hydroxyl Radical Generation. <i>ACS Catalysis</i> , 2021, 11, 12643-12650.	5.5	23
21	Chemical Etching of Screw Dislocated Transition Metal Dichalcogenides. <i>Nano Letters</i> , 2021, 21, 7815-7822.	4.5	17
22	Atomic iridium species anchored on porous carbon network support: An outstanding electrocatalyst for CO ₂ conversion to CO. <i>Applied Catalysis B: Environmental</i> , 2021, 292, 120173.	10.8	20
23	Can We Find the Perfect A-Cations for Halide Perovskites?. <i>ACS Energy Letters</i> , 2021, 6, 3386-3389.	8.8	26
24	<i><i>Why Seeing Is Not Always Believing</i></i> : Common Pitfalls in Photocatalysis and Electrocatalysis. <i>ACS Energy Letters</i> , 2021, 6, 707-709.	8.8	28
25	In-Plane Magnetic Field-Driven Creation and Annihilation of Magnetic Skyrmion Strings in Nanostructures. <i>Advanced Functional Materials</i> , 2021, 31, 2008521.	7.8	13
26	Defect-mediated ferromagnetism in correlated two-dimensional transition metal phosphorus trisulfides. <i>Science Advances</i> , 2021, 7, eabj4086.	4.7	35
27	Identification of the Active-Layer Structures for Acidic Oxygen Evolution from 9R-BaIrO ₃ Electrocatalyst with Enhanced Iridium Mass Activity. <i>Journal of the American Chemical Society</i> , 2021, 143, 18001-18009.	6.6	73
28	Torsion strained iridium oxide for efficient acidic water oxidation in proton exchange membrane electrolyzers. <i>Nature Nanotechnology</i> , 2021, 16, 1371-1377.	15.6	197
29	Stereochemical expression of ns ² electron pairs in metal halide perovskites. <i>Nature Reviews Chemistry</i> , 2021, 5, 838-852.	13.8	53
30	Sustainable Coproduction of Two Disinfectants via Hydroxide-Balanced Modular Electrochemical Synthesis Using a Redox Reservoir. <i>ACS Central Science</i> , 2021, 7, 2083-2091.	5.3	7
31	Controllable Water Vapor Assisted Chemical Vapor Transport Synthesis of WS ₂ MoS ₂ Heterostructure. , 2020, 2, 42-48.		29
32	Quantum interference between the optical Stark effect and resonant harmonic generation in WS_2 heterostructure. <i>Physical Review B</i> , 2020, 102, .	1.1	8
33	Design Principles and Developments of Integrated Solar Flow Batteries. <i>Accounts of Chemical Research</i> , 2020, 53, 2611-2621.	7.6	33
34	Supertwisted spirals of layered materials enabled by growth on non-Euclidean surfaces. <i>Science</i> , 2020, 370, 442-445.	6.0	65
35	Discerning between Exciton and Free-Carrier Behaviors in Ruddlesden-Popper Perovskite Quantum Wells through Kinetic Modeling of Photoluminescence Dynamics. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17430-17439.	1.5	26
36	High-performance solar flow battery powered by a perovskite/silicon tandem solar cell. <i>Nature Materials</i> , 2020, 19, 1326-1331.	13.3	90

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37	Pressure-Suppressed Carrier Trapping Leads to Enhanced Emission in Two-Dimensional Perovskite (HA) ₂ (GA)Pb ₂ I ₇ . <i>Angewandte Chemie</i> , 2020, 132, 17686-17692.	1.6	26
38	Photocleavable Surfactant-Enabled Extracellular Matrix Proteomics. <i>Analytical Chemistry</i> , 2020, 92, 15693-15698.	3.2	24
39	Top-Down Proteomics of Endogenous Membrane Proteins Enabled by Cloud Point Enrichment and Multidimensional Liquid Chromatography-Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 15726-15735.	3.2	24
40	Nanoproteomics enables proteoform-resolved analysis of low-abundance proteins in human serum. <i>Nature Communications</i> , 2020, 11, 3903.	5.8	43
41	Disentangling Second Harmonic Generation from Multiphoton Photoluminescence in Halide Perovskites using Multidimensional Harmonic Generation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6551-6559.	2.1	18
42	Stable and selective electrosynthesis of hydrogen peroxide and the electro-Fenton process on CoSe ₂ polymorph catalysts. <i>Energy and Environmental Science</i> , 2020, 13, 4189-4203.	15.6	134
43	Phenethylammonium Functionalization Enhances Near-Surface Carrier Diffusion in Hybrid Perovskites. <i>Journal of the American Chemical Society</i> , 2020, 142, 16254-16264.	6.6	42
44	COVID-19, Climate Change, and Renewable Energy Research: We Are All in This Together, and the Time to Act Is Now. <i>ACS Energy Letters</i> , 2020, 5, 1709-1711.	8.8	40
45	Pressure-Suppressed Carrier Trapping Leads to Enhanced Emission in Two-Dimensional Perovskite (HA) ₂ (GA)Pb ₂ I ₇ . <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17533-17539.	7.2	71
46	High-Throughput Proteomics Enabled by a Photocleavable Surfactant. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8406-8410.	7.2	37
47	High-Throughput Proteomics Enabled by a Photocleavable Surfactant. <i>Angewandte Chemie</i> , 2020, 132, 8484-8488.	1.6	14
48	Efficient electrochemical production of glucaric acid and H ₂ via glucose electrolysis. <i>Nature Communications</i> , 2020, 11, 265.	5.8	280
49	Improved performance and stability of photoelectrochemical water-splitting Si system using a bifacial design to decouple light harvesting and electrocatalysis. <i>Nano Energy</i> , 2020, 70, 104478.	8.2	37
50	Temperature and Gate Dependence of Carrier Diffusion in Single Crystal Methylammonium Lead Iodide Perovskite Microstructures. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1000-1006.	2.1	12
51	Atomic-Resolution Imaging of Halide Perovskites Using Electron Microscopy. <i>Advanced Energy Materials</i> , 2020, 10, 1904006.	10.2	57
52	Band Edge Tuning of Two-Dimensional Ruddlesden-Popper Perovskites by A Cation Size Revealed through Nanoplates. <i>ACS Energy Letters</i> , 2020, 5, 1430-1437.	8.8	51
53	Electrocatalytic Oxidation of Glycerol to Formic Acid by CuCo ₂ O ₄ Spinel Oxide Nanostructure Catalysts. <i>ACS Catalysis</i> , 2020, 10, 6741-6752.	5.5	221
54	4D Scanning Transmission Electron Microscopy of a Twisted WS ₂ Multilayer Structure. <i>Microscopy and Microanalysis</i> , 2020, 26, 628-630.	0.2	0

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55	Resolving Internal Magnetic Structures of Skyrmions by Lorentz Electron Ptychography. <i>Microscopy and Microanalysis</i> , 2019, 25, 32-33.	0.2	4
56	Electrocatalytic Production of H ₂ O ₂ by Selective Oxygen Reduction Using Earth-Abundant Cobalt Pyrite (CoS ₂). <i>ACS Catalysis</i> , 2019, 9, 8433-8442.	5.5	167
57	A Long Lifetime Aqueous Organic Solar Flow Battery. <i>Advanced Energy Materials</i> , 2019, 9, 1900918.	10.2	31
58	Incorporating Large A Cations into Lead Iodide Perovskite Cages: Relaxed Goldschmidt Tolerance Factor and Impact on Exciton-Phonon Interaction. <i>ACS Central Science</i> , 2019, 5, 1377-1386.	5.3	142
59	Electron Holography and Magnetotransport Measurements Reveal Stabilized Magnetic Skyrmions in Fe _{1-x} Co _x Si Nanowires. <i>ACS Nano</i> , 2019, 13, 7833-7841.	7.3	20
60	Metal halide perovskite nanostructures for optoelectronic applications and the study of physical properties. <i>Nature Reviews Materials</i> , 2019, 4, 169-188.	23.3	598
61	Ultrahigh-Performance Optoelectronics Demonstrated in Ultrathin Perovskite-Based Vertical Semiconductor Heterostructures. <i>ACS Nano</i> , 2019, 13, 7996-8003.	7.3	64
62	A Review on Recent Progress in the Aspect of Stability of Oxygen Reduction Electrocatalysts for Proton-Exchange Membrane Fuel Cell: Quantum Mechanics and Experimental Approaches. <i>Energy Technology</i> , 2019, 7, 1900312.	1.8	26
63	How to Effectively Utilize MOFs for Electrocatalysis. <i>ACS Energy Letters</i> , 2019, 4, 1443-1445.	8.8	119
64	Reproducible large-scale synthesis of surface silanized nanoparticles as an enabling nanoproteomics platform: Enrichment of the human heart phosphoproteome. <i>Nano Research</i> , 2019, 12, 1473-1481.	5.8	22
65	Tin(IV)-Tolerant Vapor-Phase Growth and Photophysical Properties of Aligned Cesium Tin Halide Perovskite (CsSnX ₃ ; X = Br, I) Nanowires. <i>ACS Energy Letters</i> , 2019, 4, 1045-1052.	8.8	84
66	A photocleavable surfactant for top-down proteomics. <i>Nature Methods</i> , 2019, 16, 417-420.	9.0	82
67	Triple sum frequency pump-probe spectroscopy of transition metal dichalcogenides. <i>Physical Review B</i> , 2019, 100, .	1.1	7
68	Magnetic skyrmions in nanostructures of non-centrosymmetric materials. <i>APL Materials</i> , 2019, 7, .	2.2	20
69	Comprehensive Characterization of the Recombinant Catalytic Subunit of cAMP-Dependent Protein Kinase by Top-Down Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2561-2570.	1.2	10
70	We Editors Are Authors, Too. <i>ACS Energy Letters</i> , 2019, 4, 249-250.	8.8	2
71	Removing Defects in WSe ₂ via Surface Oxidation and Etching to Improve Solar Conversion Performance. <i>ACS Energy Letters</i> , 2019, 4, 102-109.	8.8	18
72	Electrical Detection and Magnetic Imaging of Stabilized Magnetic Skyrmions in Fe _{1-x} Co _x Ge (x <math>< 0.1</math>) Microplates. <i>Advanced Functional Materials</i> , 2019, 29, 1805418.	7.8	19

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73	Nanoscale Surface Photovoltage Mapping of 2D Materials and Heterostructures by Illuminated Kelvin Probe Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13564-13571.	1.5	30
74	Semiconductor Photocatalysis: "Tell Us the Complete Story!" <i>ACS Energy Letters</i> , 2018, 3, 622-623.	8.8	167
75	Hybrid NiCo ₂ O ₄ @NiCo ₂ S ₄ Nanoflakes as High-Performance Anode Materials for Lithium-Ion Batteries. <i>ChemistrySelect</i> , 2018, 3, 2315-2320.	0.7	13
76	Visualization and Studies of Ion-Diffusion Kinetics in Cesium Lead Bromide Perovskite Nanowires. <i>Nano Letters</i> , 2018, 18, 1807-1813.	4.5	136
77	Highly Active Trimetallic NiFeCr Layered Double Hydroxide Electrocatalysts for Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , 2018, 8, 1703189.	10.2	509
78	Chemical Pressure Stabilization of the Cubic B20 Structure in Skyrmion Hosting Fe _{1-x} Co _x Ge Alloys. <i>Chemistry of Materials</i> , 2018, 30, 1146-1154.	3.2	21
79	Continuous-Wave Lasing in Cesium Lead Bromide Perovskite Nanowires. <i>Advanced Optical Materials</i> , 2018, 6, 1700982.	3.6	161
80	Crystallographic Facet Dependence of the Hydrogen Evolution Reaction on CoPS: Theory and Experiments. <i>ACS Catalysis</i> , 2018, 8, 1143-1152.	5.5	71
81	Energy Research Outlook. "What to Look for in 2018". <i>ACS Energy Letters</i> , 2018, 3, 261-263.	8.8	9
82	14.1% Efficient Monolithically Integrated Solar Flow Battery. <i>CheM</i> , 2018, 4, 2644-2657.	5.8	79
83	What Else Can Photoelectrochemical Solar Energy Conversion Do Besides Water Splitting and CO ₂ Reduction?. <i>ACS Energy Letters</i> , 2018, 3, 2610-2612.	8.8	29
84	Skyrmion Lattice Topological Hall Effect near Room Temperature. <i>Scientific Reports</i> , 2018, 8, 15510.	1.6	25
85	Chemical Vapor Deposition Growth of Bernal-Stacked Bilayer Graphene by Edge-Selective Etching with H ₂ O. <i>Chemistry of Materials</i> , 2018, 30, 7852-7859.	3.2	17
86	Multicolor Heterostructures of Two-Dimensional Layered Halide Perovskites that Show Interlayer Energy Transfer. <i>Journal of the American Chemical Society</i> , 2018, 140, 15675-15683.	6.6	95
87	Controllable Growth and Formation Mechanisms of Dislocated WS ₂ Spirals. <i>Nano Letters</i> , 2018, 18, 3885-3892.	4.5	88
88	Improving Electrocatalysts for Oxygen Evolution Using Ni _x Fe _{3-x} O ₄ /Ni Hybrid Nanostructures Formed by Solvothermal Synthesis. <i>ACS Energy Letters</i> , 2018, 3, 1698-1707.	8.8	132
89	Chemically Derived Kirigami of WSe ₂ . <i>Journal of the American Chemical Society</i> , 2018, 140, 10980-10987.	6.6	33
90	Electrochemical Oxidation of 5-Hydroxymethylfurfural with NiFe Layered Double Hydroxide (LDH) Nanosheet Catalysts. <i>ACS Catalysis</i> , 2018, 8, 5533-5541.	5.5	340

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91	Advanced 3D Current Collectors for Lithium-Based Batteries. <i>Advanced Materials</i> , 2018, 30, e1802014.	11.1	218
92	Surface Passivation of Bismuth-Based Perovskite Variant Quantum Dots To Achieve Efficient Blue Emission. <i>Nano Letters</i> , 2018, 18, 6076-6083.	4.5	157
93	Direct Synthesis and Anion Exchange of Noncarbonate-Intercalated NiFe-Layered Double Hydroxides and the Influence on Electrocatalysis. <i>Chemistry of Materials</i> , 2018, 30, 4321-4330.	3.2	123
94	All-Inorganic Bismuth-Based Perovskite Quantum Dots with Bright Blue Photoluminescence and Excellent Stability. <i>Advanced Functional Materials</i> , 2018, 28, 1704446.	7.8	375
95	Simple method for optimization of classical electron magnetic circular dichroism measurements: The role of structure factor and extinction distances. <i>Physical Review Materials</i> , 2018, 2, .	0.9	2
96	Single-crystal microplates of two-dimensional organic-inorganic lead halide layered perovskites for optoelectronics. <i>Nano Research</i> , 2017, 10, 2117-2129.	5.8	109
97	Amorphous Cobalt-Iron Hydroxide Nanosheet Electrocatalyst for Efficient Electrochemical and Photo-Electrochemical Oxygen Evolution. <i>Advanced Functional Materials</i> , 2017, 27, 1603904.	7.8	260
98	Complex and Noncentrosymmetric Stacking of Layered Metal Dichalcogenide Materials Created by Screw Dislocations. <i>Journal of the American Chemical Society</i> , 2017, 139, 3496-3504.	6.6	81
99	Top-Down Proteomics of Large Proteins up to 223 kDa Enabled by Serial Size Exclusion Chromatography Strategy. <i>Analytical Chemistry</i> , 2017, 89, 5467-5475.	3.2	108
100	Synergistic Phase and Disorder Engineering in 1T-MoSe ₂ Nanosheets for Enhanced Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2017, 29, 1700311.	11.1	411
101	Stabilization of the Metastable Lead Iodide Perovskite Phase via Surface Functionalization. <i>Nano Letters</i> , 2017, 17, 4405-4414.	4.5	204
102	Basal-Plane Ligand Functionalization on Semiconducting 2H-MoS ₂ Monolayers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12734-12742.	4.0	112
103	Coupling functionalized cobalt ferrite nanoparticle enrichment with online LC/MS/MS for top-down phosphoproteomics. <i>Chemical Science</i> , 2017, 8, 4306-4311.	3.7	34
104	Nitrogen-Doped Hollow Carbon Nanospheres for High-Performance Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14180-14186.	4.0	97
105	Significantly Increased Raman Enhancement on MoX ₂ (X = S, Se) Monolayers upon Phase Transition. <i>Advanced Functional Materials</i> , 2017, 27, 1606694.	7.8	158
106	Global Analysis of Perovskite Photophysics Reveals Importance of Geminate Pathways. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1062-1071.	1.5	22
107	Vapor-Phase Epitaxial Growth of Aligned Nanowire Networks of Cesium Lead Halide Perovskites (CsPbX ₃ , X = Cl, Br, I). <i>Nano Letters</i> , 2017, 17, 460-466.	4.5	255
108	Selective Chemical Vapor Deposition Growth of Cubic FeGe Nanowires That Support Stabilized Magnetic Skyrmions. <i>Nano Letters</i> , 2017, 17, 508-514.	4.5	29

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109	Two-dimensional lithium diffusion behavior and probable hybrid phase transformation kinetics in olivine lithium iron phosphate. <i>Nature Communications</i> , 2017, 8, 1194.	5.8	85
110	Low-temperature Molten-Salt Production of Silicon Nanowires by the Electrochemical Reduction of CaSiO_3 . <i>Angewandte Chemie</i> , 2017, 129, 14645-14649.	1.6	71
111	Low-temperature Molten-Salt Production of Silicon Nanowires by the Electrochemical Reduction of CaSiO_3 . <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14453-14457.	7.2	81
112	High Areal Capacity and Lithium Utilization in Anodes Made of Covalently Connected Graphite Microtubes. <i>Advanced Materials</i> , 2017, 29, 1700783.	11.1	148
113	Direct Vapor Growth of Perovskite CsPbBr_3 Nanoplate Electroluminescence Devices. <i>ACS Nano</i> , 2017, 11, 9869-9876.	7.3	117
114	Single-Crystal Thin Films of Cesium Lead Bromide Perovskite Epitaxially Grown on Metal Oxide Perovskite (SrTiO_3). <i>Journal of the American Chemical Society</i> , 2017, 139, 13525-13532.	6.6	209
115	Selective Stabilization and Photophysical Properties of Metastable Perovskite Polymorphs of CsPbI_3 in Thin Films. <i>Chemistry of Materials</i> , 2017, 29, 8385-8394.	3.2	170
116	Solution Growth of Screw Dislocation Driven ZnGa_2O_4 Nanorod Arrays and Their Conversion to Porous ZnGa_2O_4 Nanotubes. <i>Chemistry of Materials</i> , 2017, 29, 7278-7287.	3.2	19
117	Air-Stable Porous Fe_2N Encapsulated in Carbon Microboxes with High Volumetric Lithium Storage Capacity and a Long Cycle Life. <i>Nano Letters</i> , 2017, 17, 5740-5746.	4.5	132
118	Are Metal Chalcogenides, Nitrides, and Phosphides Oxygen Evolution Catalysts or Bifunctional Catalysts?. <i>ACS Energy Letters</i> , 2017, 2, 1937-1938.	8.8	894
119	Topological spin dynamics in cubic FeGe near room temperature. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	16
120	Atom-Thick Interlayer Made of CVD-Grown Graphene Film on Separator for Advanced Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43696-43703.	4.0	79
121	Two-Dimensional Lead Halide Perovskites Templated by a Conjugated Asymmetric Diammonium. <i>Inorganic Chemistry</i> , 2017, 56, 14991-14998.	1.9	56
122	Tuning Mixed Nickel Iron Phosphosulfide Nanosheet Electrocatalysts for Enhanced Hydrogen and Oxygen Evolution. <i>ACS Catalysis</i> , 2017, 7, 8549-8557.	5.5	268
123	Organic Cations Might Not Be Essential to the Remarkable Properties of Band Edge Carriers in Lead Halide Perovskites. <i>Advanced Materials</i> , 2017, 29, 1603072.	11.1	166
124	Glass-like thermal conductivity in nanostructures of a complex anisotropic crystal. <i>Physical Review B</i> , 2017, 96, .	1.1	10
125	Peptide tessellation yields micrometre-scale collagen triple helices. <i>Nature Chemistry</i> , 2016, 8, 1008-1014.	6.6	75
126	Layer-Controlled Chemical Vapor Deposition Growth of MoS_2 Vertical Heterostructures via van der Waals Epitaxy. <i>ACS Nano</i> , 2016, 10, 7039-7046.	7.3	122

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127	A Family of Photolabile Nitroveratryl-Based Surfactants That Self-Assemble into Photodegradable Supramolecular Structures. <i>Langmuir</i> , 2016, 32, 3963-3969.	1.6	10
128	Synthesis of Molybdenum Disulfide Nanowire Arrays Using a Block Copolymer Template. <i>Chemistry of Materials</i> , 2016, 28, 4017-4023.	3.2	28
129	A p-Si/NiCoSe core/shell nanopillar array photocathode for enhanced photoelectrochemical hydrogen production. <i>Energy and Environmental Science</i> , 2016, 9, 3113-3119.	15.6	162
130	Covalently Connected Carbon Nanostructures for Current Collectors in Both the Cathode and Anode of Li-S Batteries. <i>Advanced Materials</i> , 2016, 28, 9094-9102.	11.1	184
131	The Origin of Improved Electrical Double-Layer Capacitance by Inclusion of Topological Defects and Dopants in Graphene for Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13822-13827.	7.2	161
132	The Origin of Improved Electrical Double-Layer Capacitance by Inclusion of Topological Defects and Dopants in Graphene for Supercapacitors. <i>Angewandte Chemie</i> , 2016, 128, 14026-14031.	1.6	13
133	Screening in crystalline liquids protects energetic carriers in hybrid perovskites. <i>Science</i> , 2016, 353, 1409-1413.	6.0	655
134	Carrier Decay Properties of Mixed Cation Formamidinium-Methylammonium Lead Iodide Perovskite $[\text{HC}(\text{NH}_2)_2]_x[\text{CH}_3\text{NH}_3]_x\text{PbI}_3$ Nanorods. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 5036-5043.	2.1	61
135	Integrated Photoelectrochemical Solar Energy Conversion and Organic Redox Flow Battery Devices. <i>Angewandte Chemie</i> , 2016, 128, 13298-13302.	1.6	15
136	Integrated Photoelectrochemical Solar Energy Conversion and Organic Redox Flow Battery Devices. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13104-13108.	7.2	98
137	Broad Wavelength Tunable Robust Lasing from Single-Crystal Nanowires of Cesium Lead Halide Perovskites (CsPbX_3 , X = Cl, Br, I). <i>ACS Nano</i> , 2016, 10, 7963-7972.	7.3	507
138	Photocurrent Mapping in Single-Crystal Methylammonium Lead Iodide Perovskite Nanostructures. <i>Nano Letters</i> , 2016, 16, 7710-7717.	4.5	56
139	Efficient Electrocatalytic and Photoelectrochemical Hydrogen Generation Using MoS ₂ and Related Compounds. <i>Chem</i> , 2016, 1, 699-726.	5.8	462
140	Carbon Nanostructures: Covalently Connected Carbon Nanostructures for Current Collectors in Both the Cathode and Anode of Li-S Batteries (<i>Adv. Mater.</i> 41/2016). <i>Advanced Materials</i> , 2016, 28, 9016-9016.	11.1	5
141	Contributions of Phase, Sulfur Vacancies, and Edges to the Hydrogen Evolution Reaction Catalytic Activity of Porous Molybdenum Disulfide Nanosheets. <i>Journal of the American Chemical Society</i> , 2016, 138, 7965-7972.	6.6	1,055
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